

COMMUNITY MEETING FALCON REFINERY SUPERFUND SITE (NORCO)



INGLESIDE CITY HALL
DECEMBER 5, 2007





AGENDA

- Site Background
- Superfund Process
- Removal Action
- Remedial Action
- Role of Texas Commission on Environmental Quality and Federal/State Natural Resource Trustees
- Community Involvement
- Questions/Comments?



Aransas Pass

Redfish Bay

Ingleside

F.M. 361

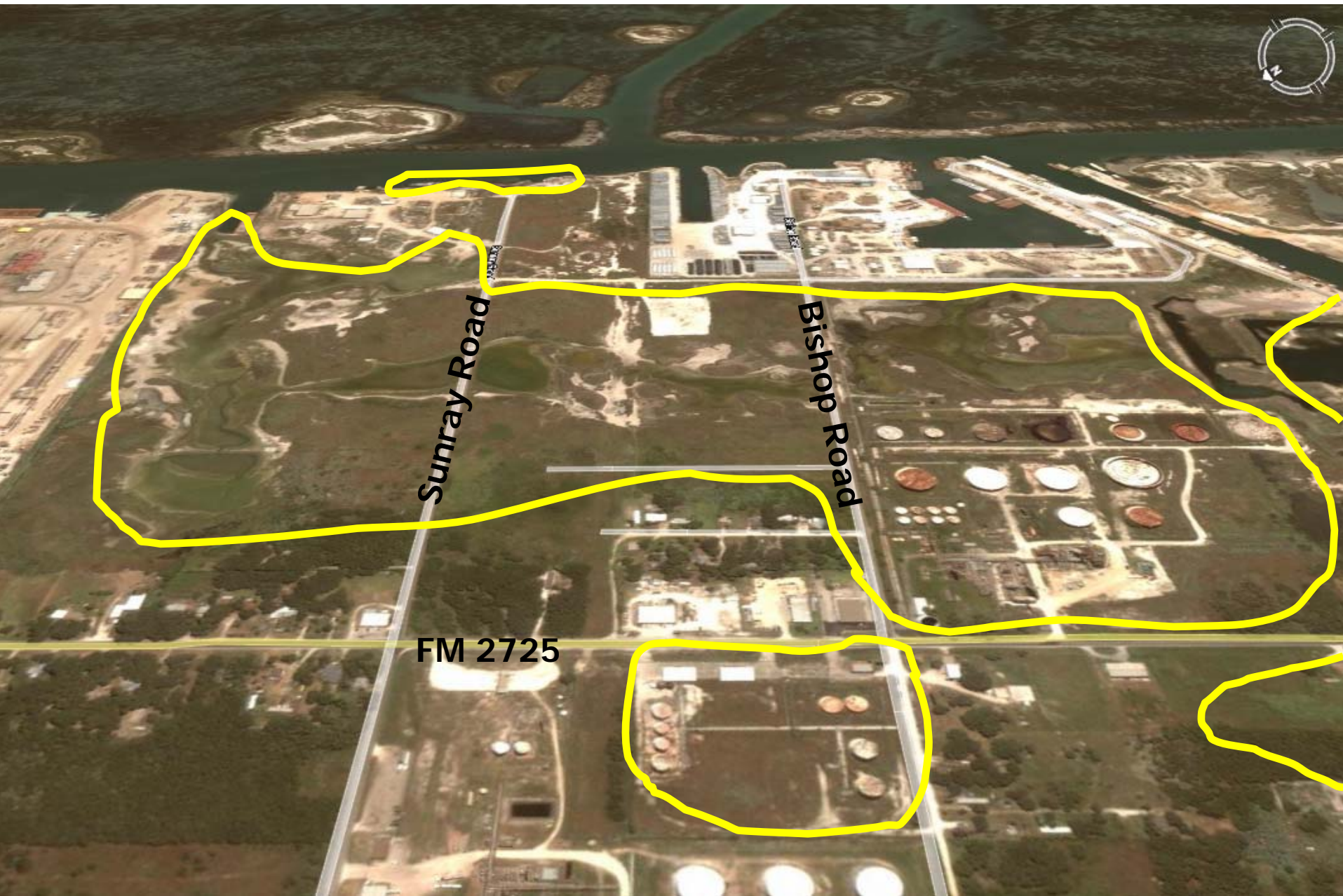
Bishop Road

F.M. 2725

Redfish Bay Lake

Ingleside on the Bay

Approximate Site Boundaries

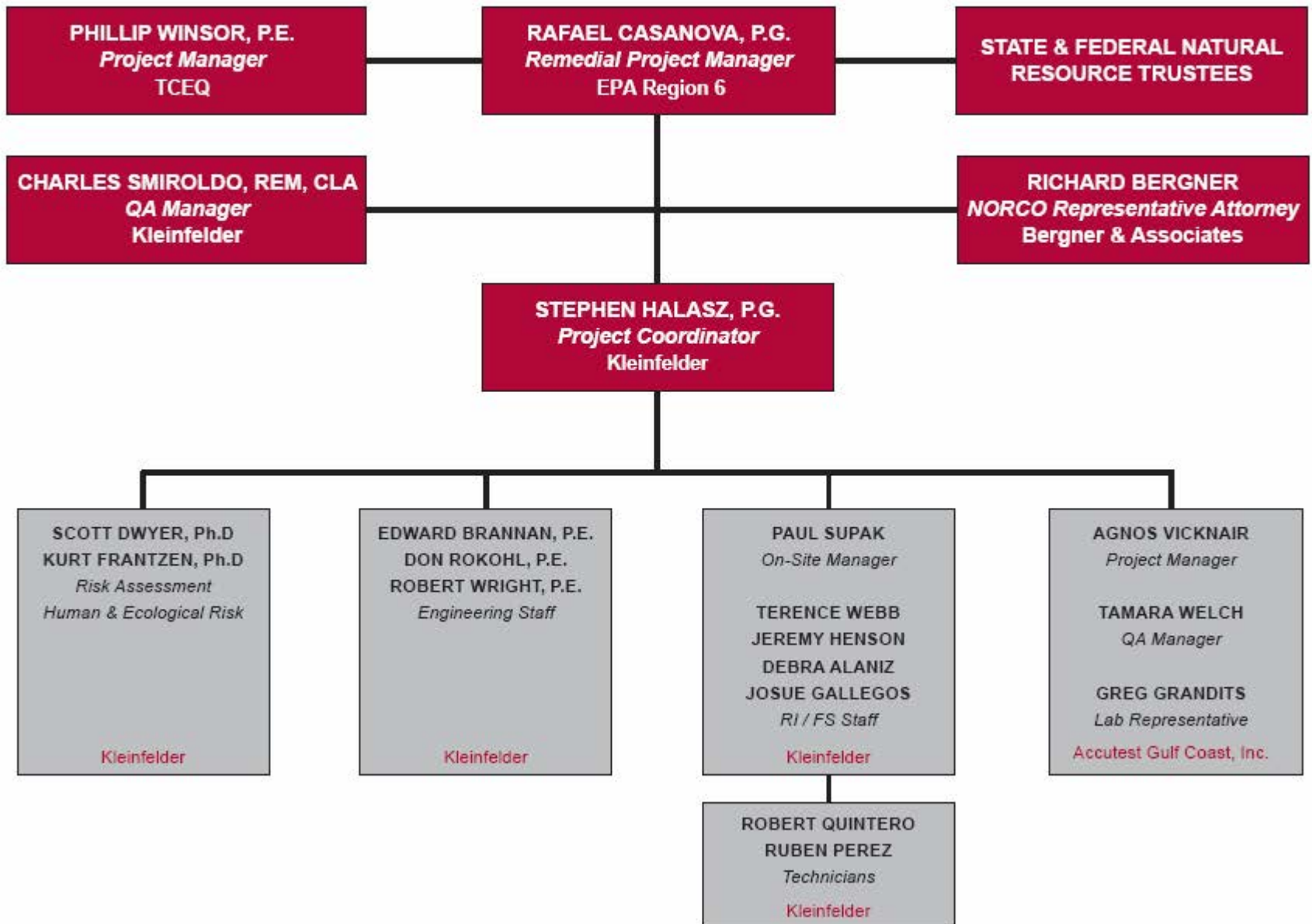


Sunray Road

Bishop Road

FM 2725

Team Organizational Chart





ADMINISTRATIVE ORDERS ON CONSENT (AOCs)

- AOCs Signed June 2004 Between EPA and NORCO to Conduct:
 - Removal Action:
 - remove/dispose of hazardous materials from the tanks, equipment, piping, and buildings.
 - Remedial Action:
 - determine the nature and extent of contamination.
 - conduct human health and ecological risk assessments.
 - evaluate remedial action alternatives.

Superfund Remedial Process

FROM:

- Preliminary Assessment
- Site Inspection
- NPL Listing
- Enforcement

Scoping of
the RI/FS

REMEDIAL INVESTIGATION (RI)

SITE CHARACTERIZATION AND
HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENTS

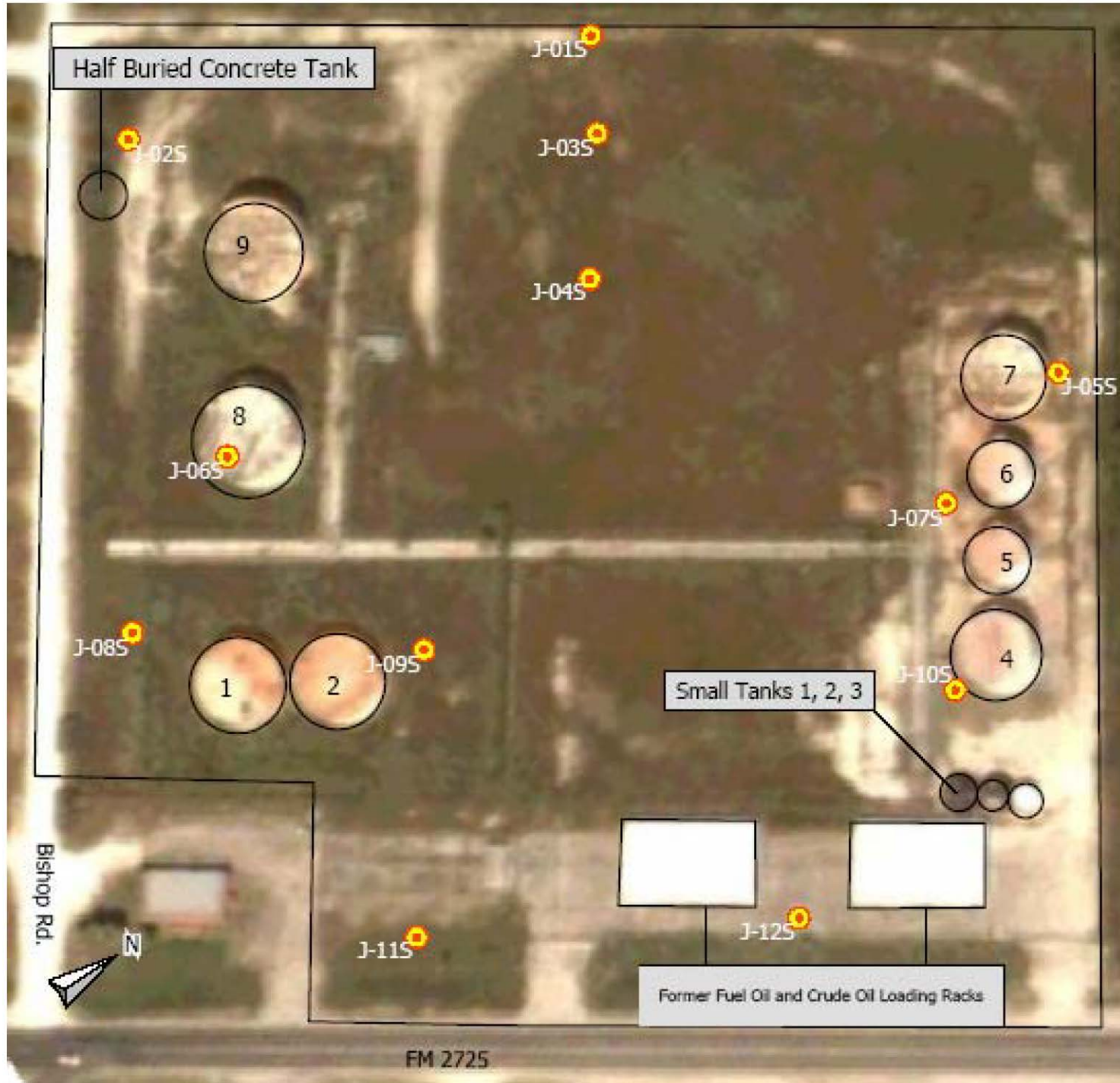
DEVELOPMENT AND SCREENING
OF REMEDIAL ALTERNATIVES

DETAILED ANALYSES
OF ALTERNATIVES

FEASIBILITY STUDY (FS)

TO:

- **Proposed Plan**
- Record of Decision (ROD)
- Enforcement
- Remedial Design (RD)
- Remedial Action (RA)
- Operation & Maintenance (O&M)



FM 2725

Compressor

Heater

Control Tower

J-13S

Crude Tower No. 2

Distiller

Exchangers

Electrical Building

Control Room

Crude

J-16S

J-17S

Lab Office

Butane Tank Heater

Cooling Towers

J-19S

J-18S

J-21S

J-20S

J-25S

J-27S

J-26S

J-22S

J-23S

Exchangers

J-24S

J-28S

J-29S

J-30S

J-31S

J-32S

J-33S

31

29

28

27

26

11

10

J-34S

J-35S

J-36S

J-37S

J-38S

J-39S

J-40S

J-41S

J-42S

J-43S

Clarifier

0

500 ft

Bishop Rd.

FM 2725

G-01S

G-02S

AOC-2

G-07S

G-08S

G-03S

G-04S

G-05S

G-06S

AOC-2

G-09S

G-10S

G-11S

G-12S

AOC-1S

G-13S

G-14S

G-15S

G-16S

G-17S

G-18S

G-19S

G-20S



0

500 ft













FM 2725

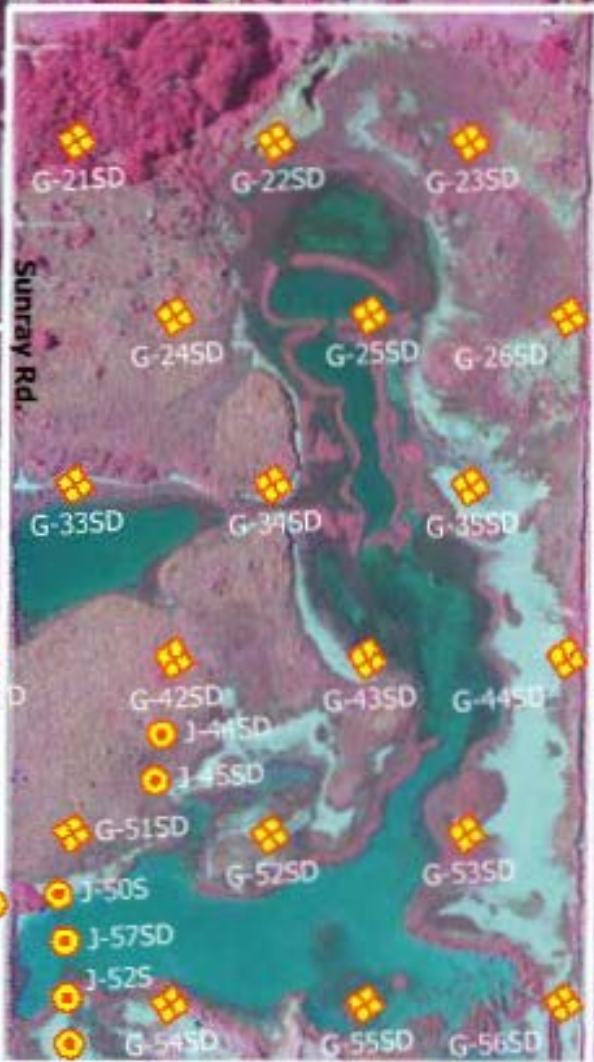
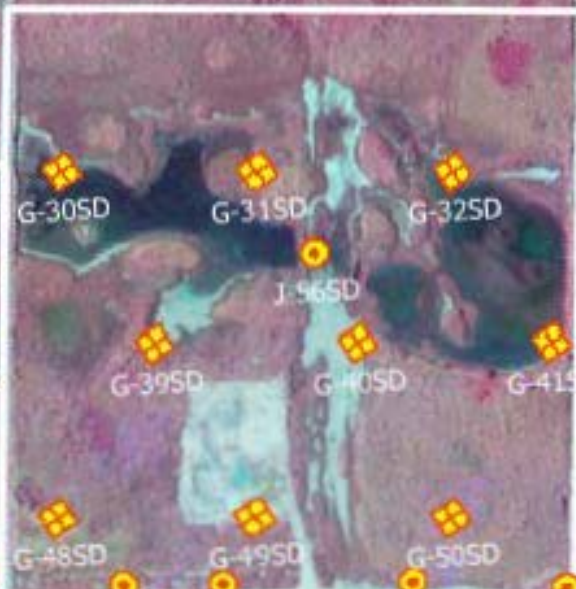
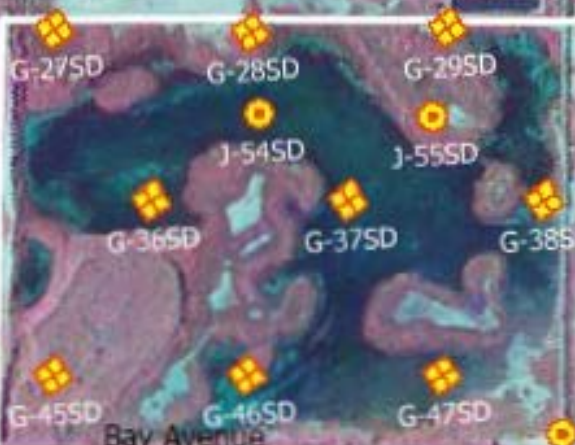
Bishop Rd.

Sunray Rd.

Bay Avenue

0

1000 ft





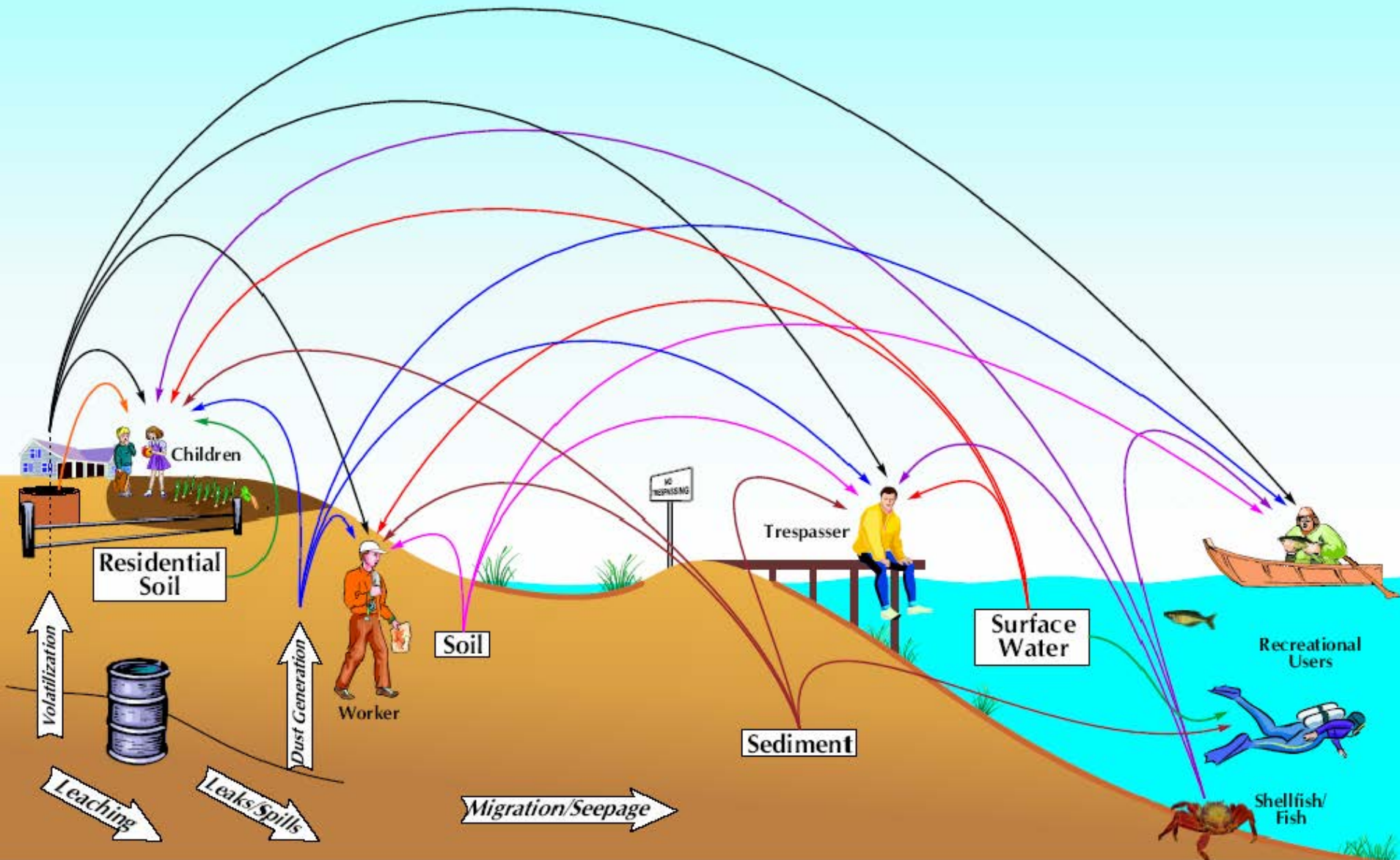






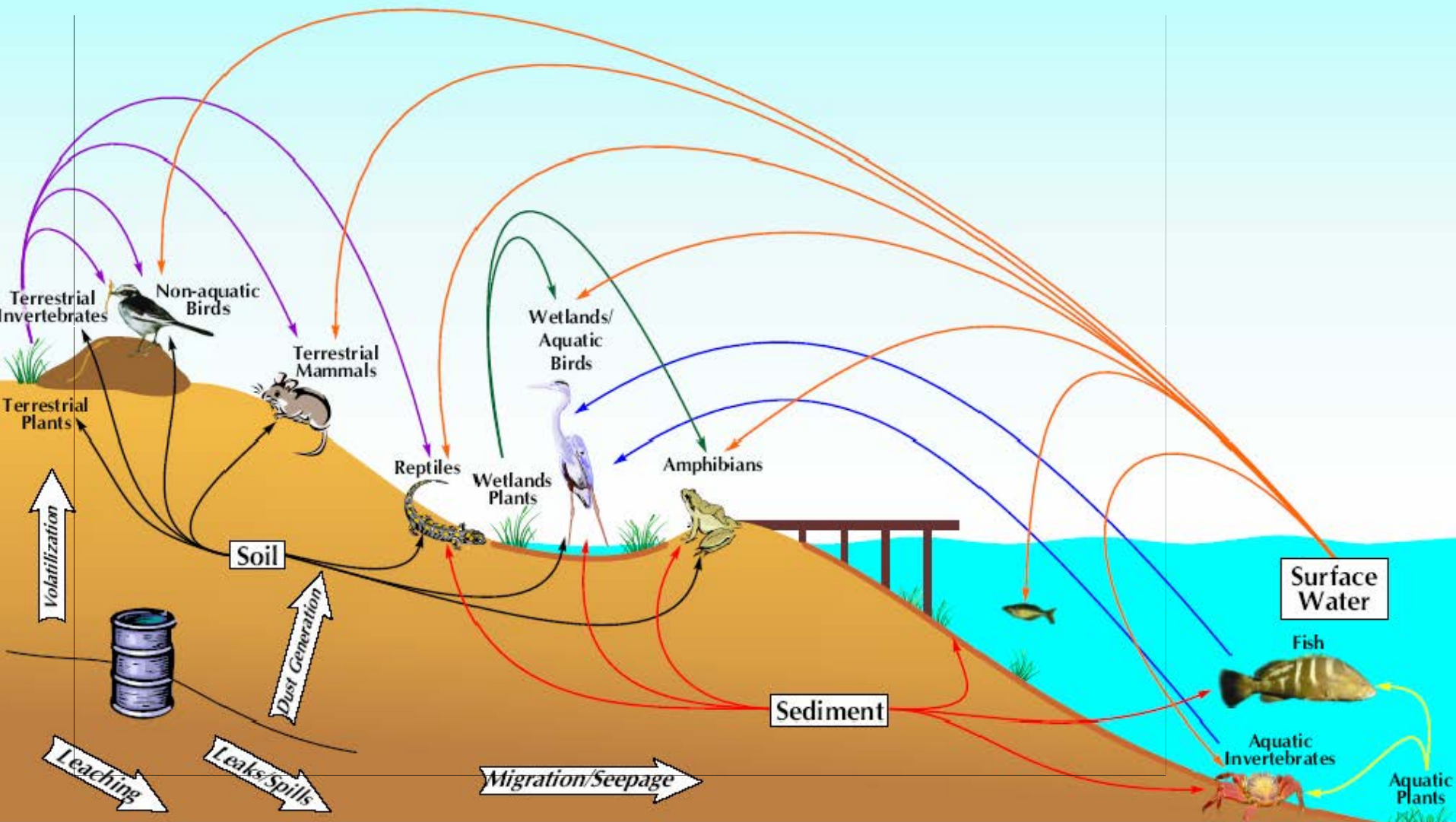
Conceptual Site Model Schematic for Human Receptors

Anna Milburn (EPA)



Conceptual Site Model Schematic for Ecological Receptors

Kenneth Shewmake (EPA)



Superfund Remedial Process

FROM:

- Preliminary Assessment
- Site Inspection
- NPL Listing
- Enforcement

Scoping of
the RI/FS

REMEDIAL INVESTIGATION (RI)

SITE CHARACTERIZATION AND
HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENTS

DEVELOPMENT AND SCREENING
OF REMEDIAL ALTERNATIVES

DETAILED ANALYSES
OF ALTERNATIVES

FEASIBILITY STUDY (FS)

TO:

- **Proposed Plan**
- Record of Decision (ROD)
- Enforcement
- Remedial Design (RD)
- Remedial Action (RA)
- Operation & Maintenance (O&M)



Texas Commission on Environmental Quality

TCEQ's Role in Federal Superfund Process

Phillip Winsor, P.E.



TCEQ's Role in Superfund



- Review Document Submittals to Ensure Compliance with State's Environmental Rules and Regulations
- Documents Reviewed by Lead PM & Team of Technical Experts in Risk Assessment & Natural Resource Impacts

Coordination with Natural Resource Trustees

Tammy Ash (USFWS)

Trustee roles in the remediation of hazardous waste sites





What is a natural resource trustee?

- State or federal representative charged by CERCLA, OPA and NCP to ensure protection and integrity of designated natural resources.
- Federal trustees represent DOC, DOD, DOE, USDA, DOI; state trustees designated by governor.
- Trust resources include: land, fish, wildlife, water, ground water, and other resources.



Trustee Functions

- Provide technical assistance during site investigation.
- Conduct Natural Resource Damage Assessment.



Benefits of Coordination with Trustees

- Additional technical support.
- Streamlines remediation and restoration.
- Time and cost efficient.
- Enhanced resource benefit through coordinated solution.

COMMUNITY INVOLVEMENT



- **Technical Assistance Grant**
 - Awarded to Coastal Bend Bays Foundation
 - Lois Huff (Executive Director), Terald Smith, P.G. (Naismith Engineering, Technical Advisor)
 - \$50,000
 - For a local citizens' group to secure the services of a technical advisor to increase citizen understanding of information that will be developed about the Site.
- **Site Repository - Ingleside Public Library**
 - Contains information concerning the Site.
- **Internet Site**
 - <http://www.epa.gov/earth1r6/6sf/6sf-tx.htm>
- **Mailing List**



EPA CONTACTS*

- Remedial Project Manager: Rafael Casanova, P.G.
 - (214) 665-7437, casanova.rafael@epa.gov
- Ecological Risk Assessor: Kenneth Shewmake
 - (214) 665-3198, shewmake.kenneth@epa.gov
- Human Health Risk Assessor: Anna Milburn
 - (214) 665-8348, milburn.anna@epa.gov
- Attorney: Gloria Moran
 - (214) 665-3193, moran.gloria-small@epa.gov
- *Toll-Free Number: 1-800-533-3508

